Civil Engineering Database Keyword Index

The **Civil Engineering Database (CEDB)** is designed to provide free, easy bibliographic access to all ASCE publications. The database covers ASCE documents published since 1972. It provides access to all the journals, conference proceedings, books, standards, manuals, magazines, and newspapers. The index terms below were assigned to papers published in this journal during 2002 from a CEDB keyword list. The CEDB and keyword list can be accessed on the Web at *http://www.pubs.asce.org/cedbsrch.html*.

Benefit cost ratios
Cost at Element Level. — Cornelia E. Demers, Rita A. Gregory, and Mark N. Upton, Jr.; 8(4), 115-21 (2002).

Bridge decks
Modeling Bridge Deterioration Using Case-based Reasoning. — G. Morcous, H. Rivard, and A. M. Hanna; 8(3), 86-95 (2002).

Bridge maintenance
Modeling Bridge Deterioration Using Case-based Reasoning. — G. Morcous, H. Rivard, and A. M. Hanna; 8(3), 86-95 (2002).
Cost at Element Level. — Cornelia E. Demers, Rita A. Gregory, and Mark N. Upton, Jr.; 8(4), 115-21 (2002).
Service Life and Impact of Virginia Environmental Exposure Condition on Paint on Steel Girder Bridges. — Daniel K. Dadson, Jesus M. de la Garza, and Richard E. Weyers; 8(4), 149-59 (2002).

Bridges
Assessment of Safety and Traffic Operational Quality for Historic Stone Bridges. — John W. Hawkins, Lily Elefteriadou, and Thomas E. Boothby; 8(2), 57-64 (2002).

Bridges, concrete
Service Life Prediction of Existing Reinforced Concrete Bridges Exposed to Chloride Environment. — Ming-Te Liang, Li-Hsien Lin, and Chih-Hsin Liang; 8(3), 76-85 (2002).

Bridges, girder
Service Life and Impact of Virginia Environmental Exposure Condition on Paint on Steel Girder Bridges. — Daniel K. Dadson, Jesus M. de la Garza, and Richard E. Weyers; 8(4), 149-59 (2002).

Bridges, steel
Service Life and Impact of Virginia Environmental Exposure Condition on Paint on Steel Girder Bridges. — Daniel K. Dadson, Jesus M. de la Garza, and Richard E. Weyers; 8(4), 149-59 (2002).

Buildings, residential
Economic Input-output Life-cycle Assessment of U.S. Residential Buildings. — Luis Ochoa, Chris Hendrickson, and H. Scott Matthews; 8(4), 132-8 (2002).

California
Too Cautious? Avoiding Risk in Transportation Project Development. — Harry Hecht and Debbie Niemeier; 8(1), 20-8 (2002).

Canada
Methods for Estimating Pipe Pullback Loads for Horizontal Directional Drilling (HDD) Crossings. — Michael E. Baumert and Erez N. Allouche; 8(1), 12-9 (2002).

Case reports
Strategic Implementation of Infrastructure Priority Projects: Case Study in Palestine. — Mohamed Ziara, Khaled Nigim, Adnan Enshassi, and Bilal M. Ayyub; 8(1), 2-11 (2002).

Chlorides
Service Life Prediction of Existing Reinforced Concrete Bridges Exposed to Chloride Environment. — Ming-Te Liang, Li-Hsien Lin, and Chih-Hsin Liang; 8(3), 76-85 (2002).

Computation
Computation of Infrastructure Transition Probabilities Using Stochastic Duration Models. — Rabi G. Mishalani and Samer M. Madanat; 8(4), 139-48 (2002).

Computer software
Extreme Event Scenarios for Planning of Infrastructure Projects. — Joshua L. Tsang, James H. Lambert, and Robert C. Patev; 8(2), 42-8 (2002).

Concrete
Modeling Bridge Deterioration Using Case-based Reasoning. — G. Morcous, H. Rivard, and A. M. Hanna; 8(3), 86-95 (2002).

Corrosion
Service Life Prediction of Existing Reinforced Concrete Bridges Exposed to Chloride Environment. — Ming-Te Liang, Li-Hsien Lin, and Chih-Hsin Liang; 8(3), 76-85 (2002).

Costs
Cost at Element Level. — Cornelia E. Demers, Rita A. Gregory, and Mark N. Upton, Jr.; 8(4), 115-21 (2002).

Critical path method
Prioritization of Schedule Dependencies in Hurricane Recovery of Transportation Agency. — James H. Lambert and Clare E. Patterson; 8(3), 103-11 (2002).

Deterioration
Markov Model for Storm Water Pipe Deterioration. — Tom Micevski, George Kuczera, and Peter Coombes; 8(2), 49-56 (2002).
Modeling Bridge Deterioration Using Case-based Reasoning. — G. Morcous, H. Rivard, and A. M. Hanna; 8(3), 86-95 (2002).
Forecasting Variations and Trends in Water-Main Breaks. — Y. Kleiner and Balvant Rajani; 8(4), 122-31 (2002).
Computation of Infrastructure Transition Probabilities Using Stochastic Duration Models. — Rabi G. Mishalani and Samer M. Madanat; 8(4), 139-48 (2002).

Drilling
Methods for Estimating Pipe Pullback Loads for Horizontal Directional Drilling (HDD) Crossings. — Michael E. Baumert and Erez N. Allouche; 8(1), 12-9 (2002).

Earthquake loads
Extreme Event Scenarios for Planning of Infrastructure Projects. — Joshua L. Tsang, James H. Lambert, and Robert C. Patev; 8(2), 42-8 (2002).

Economic factors
Economic Input-output Life-cycle Assessment of U.S. Residential Buildings. — Luis Ochoa, Chris Hendrickson, and H. Scott Matthews; 8(4), 132-8 (2002).

Economic impact
Estimation on Regional Benefit and Optimal Level of Road Capital Stock. — Euijune Kim and Myungsoo Shin; 8(3), 96-102 (2002).

Environmental impacts
Economic Input-output Life-cycle Assessment of U.S. Residential Buildings. — Luis Ochoa, Chris Hendrickson, and H. Scott Matthews; 8(4), 132-8 (2002).
Service Life and Impact of Virginia Environmental Exposure Condition on Paint on Steel Girder Bridges. — Daniel K. Dadson, Jesus M. de la Garza, and Richard E. Weyers; 8(4), 149-59 (2002).

Forecasting
Forecasting Variations and Trends in Water-Main Breaks. — Y. Kleiner and Balvant Rajani; 8(4), 122-31 (2002).

Government agencies
Prioritization of Schedule Dependencies in Hurricane Recovery of Transportation Agency. — James H. Lambert and Clare E. Patterson; 8(3), 103-11 (2002).

Hurricanes
Prioritization of Schedule Dependencies in Hurricane Recovery of Transportation Agency. — James H. Lambert and Clare E. Patterson; 8(3), 103-11 (2002).

Infrastructure
Strategic Implementation of Infrastructure Priority Projects: Case Study in Palestine. — Mohamed Ziara, Khaled Nigim, Adnan Enshassi, and Bilal M. Ayyub; 8(1), 2-11 (2002).
Extreme Event Scenarios for Planning of Infrastructure Projects. — Joshua L. Tsang, James H. Lambert, and Robert C. Patev; 8(2), 42-8 (2002).
Estimation on Regional Benefit and Optimal Level of Road Capital Stock. — Euijune Kim and Myungsoo Shin; 8(3), 96-102 (2002).
Computation of Infrastructure Transition Probabilities Using Stochastic Duration Models. — Rabi G. Mishalani and Samer M. Madanat; 8(4), 139-48 (2002).

Civil Engineering Database Keyword Index

The **Civil Engineering Database (CEDB)** is designed to provide free, easy bibliographic access to all ASCE publications. The database covers ASCE documents published since 1972. It provides access to all the journals, conference proceedings, books, standards, manuals, magazines, and newspapers. The index terms below were assigned to papers published in this journal during 2002 from a CEDB keyword list. The CEDB and keyword list can be accessed on the Web at *http://www.pubs.asce.org/cedbsrch.html*.

Benefit cost ratios
Cost at Element Level. — Cornelia E. Demers, Rita A. Gregory, and Mark N. Upton, Jr.; 8(4), 115-21 (2002).

Bridge decks
Modeling Bridge Deterioration Using Case-based Reasoning. — G. Morcous, H. Rivard, and A. M. Hanna; 8(3), 86-95 (2002).

Bridge maintenance
Modeling Bridge Deterioration Using Case-based Reasoning. — G. Morcous, H. Rivard, and A. M. Hanna; 8(3), 86-95 (2002).
Cost at Element Level. — Cornelia E. Demers, Rita A. Gregory, and Mark N. Upton, Jr.; 8(4), 115-21 (2002).
Service Life and Impact of Virginia Environmental Exposure Condition on Paint on Steel Girder Bridges. — Daniel K. Dadson, Jesus M. de la Garza, and Richard E. Weyers; 8(4), 149-59 (2002).

Bridges
Assessment of Safety and Traffic Operational Quality for Historic Stone Bridges. — John W. Hawkins, Lily Elefteriadou, and Thomas E. Boothby; 8(2), 57-64 (2002).

Bridges, concrete
Service Life Prediction of Existing Reinforced Concrete Bridges Exposed to Chloride Environment. — Ming-Te Liang, Li-Hsien Lin, and Chih-Hsin Liang; 8(3), 76-85 (2002).

Bridges, girder
Service Life and Impact of Virginia Environmental Exposure Condition on Paint on Steel Girder Bridges. — Daniel K. Dadson, Jesus M. de la Garza, and Richard E. Weyers; 8(4), 149-59 (2002).

Bridges, steel
Service Life and Impact of Virginia Environmental Exposure Condition on Paint on Steel Girder Bridges. — Daniel K. Dadson, Jesus M. de la Garza, and Richard E. Weyers; 8(4), 149-59 (2002).

Buildings, residential
Economic Input-output Life-cycle Assessment of U.S. Residential Buildings. — Luis Ochoa, Chris Hendrickson, and H. Scott Matthews; 8(4), 132-8 (2002).

California
Too Cautious? Avoiding Risk in Transportation Project Development. — Harry Hecht and Debbie Niemeier; 8(1), 20-8 (2002).

Canada
Methods for Estimating Pipe Pullback Loads for Horizontal Directional Drilling (HDD) Crossings. — Michael E. Baumert and Erez N. Allouche; 8(1), 12-9 (2002).

Case reports
Strategic Implementation of Infrastructure Priority Projects: Case Study in Palestine. — Mohamed Ziara, Khaled Nigim, Adnan Enshassi, and Bilal M. Ayyub; 8(1), 2-11 (2002).

Chlorides
Service Life Prediction of Existing Reinforced Concrete Bridges Exposed to Chloride Environment. — Ming-Te Liang, Li-Hsien Lin, and Chih-Hsin Liang; 8(3), 76-85 (2002).

Computation
Computation of Infrastructure Transition Probabilities Using Stochastic Duration Models. — Rabi G. Mishalani and Samer M. Madanat; 8(4), 139-48 (2002).

Computer software
Extreme Event Scenarios for Planning of Infrastructure Projects. — Joshua L. Tsang, James H. Lambert, and Robert C. Patev; 8(2), 42-8 (2002).

Concrete
Modeling Bridge Deterioration Using Case-based Reasoning. — G. Morcous, H. Rivard, and A. M. Hanna; 8(3), 86-95 (2002).

Corrosion
Service Life Prediction of Existing Reinforced Concrete Bridges Exposed to Chloride Environment. — Ming-Te Liang, Li-Hsien Lin, and Chih-Hsin Liang; 8(3), 76-85 (2002).

Costs
Cost at Element Level. — Cornelia E. Demers, Rita A. Gregory, and Mark N. Upton, Jr.; 8(4), 115-21 (2002).

Critical path method
Prioritization of Schedule Dependencies in Hurricane Recovery of Transportation Agency. — James H. Lambert and Clare E. Patterson; 8(3), 103-11 (2002).

Deterioration
Markov Model for Storm Water Pipe Deterioration. — Tom Micevski, George Kuczera, and Peter Coombes; 8(2), 49-56 (2002).
Modeling Bridge Deterioration Using Case-based Reasoning. — G. Morcous, H. Rivard, and A. M. Hanna; 8(3), 86-95 (2002).
Forecasting Variations and Trends in Water-Main Breaks. — Y. Kleiner and Balvant Rajani; 8(4), 122-31 (2002).
Computation of Infrastructure Transition Probabilities Using Stochastic Duration Models. — Rabi G. Mishalani and Samer M. Madanat; 8(4), 139-48 (2002).

Drilling
Methods for Estimating Pipe Pullback Loads for Horizontal Directional Drilling (HDD) Crossings. — Michael E. Baumert and Erez N. Allouche; 8(1), 12-9 (2002).

Earthquake loads
Extreme Event Scenarios for Planning of Infrastructure Projects. — Joshua L. Tsang, James H. Lambert, and Robert C. Patev; 8(2), 42-8 (2002).

Economic factors
Economic Input-output Life-cycle Assessment of U.S. Residential Buildings. — Luis Ochoa, Chris Hendrickson, and H. Scott Matthews; 8(4), 132-8 (2002).

Economic impact
Estimation on Regional Benefit and Optimal Level of Road Capital Stock. — Euijune Kim and Myungsoo Shin; 8(3), 96-102 (2002).

Environmental impacts
Economic Input-output Life-cycle Assessment of U.S. Residential Buildings. — Luis Ochoa, Chris Hendrickson, and H. Scott Matthews; 8(4), 132-8 (2002).
Service Life and Impact of Virginia Environmental Exposure Condition on Paint on Steel Girder Bridges. — Daniel K. Dadson, Jesus M. de la Garza, and Richard E. Weyers; 8(4), 149-59 (2002).

Forecasting
Forecasting Variations and Trends in Water-Main Breaks. — Y. Kleiner and Balvant Rajani; 8(4), 122-31 (2002).

Government agencies
Prioritization of Schedule Dependencies in Hurricane Recovery of Transportation Agency. — James H. Lambert and Clare E. Patterson; 8(3), 103-11 (2002).

Hurricanes
Prioritization of Schedule Dependencies in Hurricane Recovery of Transportation Agency. — James H. Lambert and Clare E. Patterson; 8(3), 103-11 (2002).

Infrastructure
Strategic Implementation of Infrastructure Priority Projects: Case Study in Palestine. — Mohamed Ziara, Khaled Nigim, Adnan Enshassi, and Bilal M. Ayyub; 8(1), 2-11 (2002).
Extreme Event Scenarios for Planning of Infrastructure Projects. — Joshua L. Tsang, James H. Lambert, and Robert C. Patev; 8(2), 42-8 (2002).
Estimation on Regional Benefit and Optimal Level of Road Capital Stock. — Euijune Kim and Myungsoo Shin; 8(3), 96-102 (2002).
Computation of Infrastructure Transition Probabilities Using Stochastic Duration Models. — Rabi G. Mishalani and Samer M. Madanat; 8(4), 139-48 (2002).

Installation
Methods for Estimating Pipe Pullback Loads for Horizontal Directional Drilling (HDD) Crossings. — Michael E. Baumert and Erez N. Allouche; 8(1), 12-9 (2002).
Investments
Estimation on Regional Benefit and Optimal Level of Road Capital Stock. — Euijune Kim and Myungsoo Shin; 8(3), 96-102 (2002).
Korea
Estimation on Regional Benefit and Optimal Level of Road Capital Stock. — Euijune Kim and Myungsoo Shin; 8(3), 96-102 (2002).
Life cycles
Strategic Implementation of Infrastructure Priority Projects: Case Study in Palestine. — Mohamed Ziara, Khaled Nigim, Adnan Enshassi, and Bilal M. Ayyub; 8(1), 2-11 (2002).
Economic Input-output Life-cycle Assessment of U.S. Residential Buildings. — Luis Ochoa, Chris Hendrickson, and H. Scott Matthews; 8(4), 132-8 (2002).
Markov process
Markov Model for Storm Water Pipe Deterioration. — Tom Micevski, George Kuczera, and Peter Coombes; 8(2), 49-56 (2002).
Middle East
Strategic Implementation of Infrastructure Priority Projects: Case Study in Palestine. — Mohamed Ziara, Khaled Nigim, Adnan Enshassi, and Bilal M. Ayyub; 8(1), 2-11 (2002).
Models
Cost at Element Level. — Cornelia E. Demers, Rita A. Gregory, and Mark N. Upton, Jr.; 8(4), 115-21 (2002).
New Jersey
Assessment of Safety and Traffic Operational Quality for Historic Stone Bridges. — John W. Hawkins, Lily Elefteriadou, and Thomas E. Boothby; 8(2), 57-64 (2002).
Pipelines
Methods for Estimating Pipe Pullback Loads for Horizontal Directional Drilling (HDD) Crossings. — Michael E. Baumert and Erez N. Allouche; 8(1), 12-9 (2002).
Pipes
Markov Model for Storm Water Pipe Deterioration. — Tom Micevski, George Kuczera, and Peter Coombes; 8(2), 49-56 (2002).
Preservation
Assessment of Safety and Traffic Operational Quality for Historic Stone Bridges. — John W. Hawkins, Lily Elefteriadou, and Thomas E. Boothby; 8(2), 57-64 (2002).
Project management
Too Cautious? Avoiding Risk in Transportation Project Development. — Harry Hecht and Debbie Niemeier; 8(1), 20-8 (2002).
Project planning
Extreme Event Scenarios for Planning of Infrastructure Projects. — Joshua L. Tsang, James H. Lambert, and Robert C. Patev; 8(2), 42-8 (2002).
Risk management
Too Cautious? Avoiding Risk in Transportation Project Development. — Harry Hecht and Debbie Niemeier; 8(1), 20-8 (2002).
Roads
Estimation on Regional Benefit and Optimal Level of Road Capital Stock. — Euijune Kim and Myungsoo Shin; 8(3), 96-102 (2002).
Safety
Assessment of Safety and Traffic Operational Quality for Historic Stone Bridges. — John W. Hawkins, Lily Elefteriadou, and Thomas E. Boothby; 8(2), 57-64 (2002).
Scheduling
Prioritization of Schedule Dependencies in Hurricane Recovery of Transportation Agency. — James H. Lambert and Clare E. Patterson; 8(3), 103-11 (2002).
Sensitivity analysis
Methods for Estimating Pipe Pullback Loads for Horizontal Directional Drilling (HDD) Crossings. — Michael E. Baumert and Erez N. Allouche; 8(1), 12-9 (2002).
Service life
Service Life Prediction of Existing Reinforced Concrete Bridges Exposed to Chloride Environment. — Ming-Te Liang, Li-Hsien Lin, and Chih-Hsin Liang; 8(3), 76-85 (2002).
Service Life and Impact of Virginia Environmental Exposure Condition on Paint on Steel Girder Bridges. — Daniel K. Dadson, Jesus M. de la Garza, and Richard E. Weyers; 8(4), 149-59 (2002).
Stochastic models
Computation of Infrastructure Transition Probabilities Using Stochastic Duration Models. — Rabi G. Mishalani and Samer M. Madanat; 8(4), 139-48 (2002).
Stormwater
Markov Model for Storm Water Pipe Deterioration. — Tom Micevski, George Kuczera, and Peter Coombes; 8(2), 49-56 (2002).
Tensile loads
Methods for Estimating Pipe Pullback Loads for Horizontal Directional Drilling (HDD) Crossings. — Michael E. Baumert and Erez N. Allouche; 8(1), 12-9 (2002).
Time dependence
Forecasting Variations and Trends in Water-Main Breaks. — Y. Kleiner and Balvant Rajani; 8(4), 122-31 (2002).
Transportation
Too Cautious? Avoiding Risk in Transportation Project Development. — Harry Hecht and Debbie Niemeier; 8(1), 20-8 (2002).
Transportation systems
Prioritization of Schedule Dependencies in Hurricane Recovery of Transportation Agency. — James H. Lambert and Clare E. Patterson; 8(3), 103-11 (2002).
Urban areas
Strategic Implementation of Infrastructure Priority Projects: Case Study in Palestine. — Mohamed Ziara, Khaled Nigim, Adnan Enshassi, and Bilal M. Ayyub; 8(1), 2-11 (2002).
Virginia
Service Life and Impact of Virginia Environmental Exposure Condition on Paint on Steel Girder Bridges. — Daniel K. Dadson, Jesus M. de la Garza, and Richard E. Weyers; 8(4), 149-59 (2002).
Water distribution
Forecasting Variations and Trends in Water-Main Breaks. — Y. Kleiner and Balvant Rajani; 8(4), 122-31 (2002).
Water pipes
Forecasting Variations and Trends in Water-Main Breaks. — Y. Kleiner and Balvant Rajani; 8(4), 122-31 (2002).

Author Index

Allouche, Erez N.
Methods for Estimating Pipe Pullback Loads for Horizontal Directional Drilling (HDD) Crossings. — Michael E. Baumert and Erez N. Allouche; 8(1), 12-9 (2002).

Amin, Massoud
Toward Secure and Resilient Interdependent Infrastructures. — Massoud Amin; 8(3), 67-75 (2002).

Ayyub, Bilal M.
Strategic Implementation of Infrastructure Priority Projects: Case Study in Palestine. — Mohamed Ziara, Khaled Nigim, Adnan Enshassi, and Bilal M. Ayyub; 8(1), 2-11 (2002).

Baumert, Michael E.
Methods for Estimating Pipe Pullback Loads for Horizontal Directional Drilling (HDD) Crossings. — Michael E. Baumert and Erez N. Allouche; 8(1), 12-9 (2002).

Boothby, Thomas E.
Assessment of Safety and Traffic Operational Quality for Historic Stone Bridges. — John W. Hawkins, Lily Elefteriadou, and Thomas E. Boothby; 8(2), 57-64 (2002).

Coombes, Peter
Markov Model for Storm Water Pipe Deterioration. — Tom Micevski, George Kuczera, and Peter Coombes; 8(2), 49-56 (2002).

Dadson, Daniel K.
Service Life and Impact of Virginia Environmental Exposure Condition on Paint on Steel Girder Bridges. — Daniel K. Dadson, Jesus M. de la Garza, and Richard E. Weyers; 8(4), 149-59 (2002).

de la Garza, Jesus M.
Service Life and Impact of Virginia Environmental Exposure Condition on Paint on Steel Girder Bridges. — Daniel K. Dadson, Jesus M. de la Garza, and Richard E. Weyers; 8(4), 149-59 (2002).

Demers, Cornelia E.
Cost at Element Level. — Cornelia E. Demers, Rita A. Gregory, and Mark N. Upton, Jr.; 8(4), 115-21 (2002).

Elefteriadou, Lily
Assessment of Safety and Traffic Operational Quality for Historic Stone Bridges. — John W. Hawkins, Lily Elefteriadou, and Thomas E. Boothby; 8(2), 57-64 (2002).

Enshassi, Adnan
Strategic Implementation of Infrastructure Priority Projects: Case Study in Palestine. — Mohamed Ziara, Khaled Nigim, Adnan Enshassi, and Bilal M. Ayyub; 8(1), 2-11 (2002).

Gregory, Rita A.
Cost at Element Level. — Cornelia E. Demers, Rita A. Gregory, and Mark N. Upton, Jr.; 8(4), 115-21 (2002).

Haimes, Yacov Y.
Roadmap for Modeling Risks of Terrorism to the Homeland. — Yacov Y. Haimes; 8(2), 35-41 (2002).

Hanna, A. M.
Modeling Bridge Deterioration Using Case-based Reasoning. — G. Morcous, H. Rivard, and A. M. Hanna; 8(3), 86-95 (2002).

Hawkins, John W.
Assessment of Safety and Traffic Operational Quality for Historic Stone Bridges. — John W. Hawkins, Lily Elefteriadou, and Thomas E. Boothby; 8(2), 57-64 (2002).

Hecht, Harry
Too Cautious? Avoiding Risk in Transportation Project Development. — Harry Hecht and Debbie Niemeier; 8(1), 20-8 (2002).

Hendrickson, Chris
Economic Input-output Life-cycle Assessment of U.S. Residential Buildings. — Luis Ochoa, Chris Hendrickson, and H. Scott Matthews; 8(4), 132-8 (2002).

Kim, Euijune
Estimation on Regional Benefit and Optimal Level of Road Capital Stock. — Euijune Kim and Myungsoo Shin; 8(3), 96-102 (2002).

Kleiner, Y.
Forecasting Variations and Trends in Water-Main Breaks. — Y. Kleiner and Balvant Rajani; 8(4), 122-31 (2002).

Kuczera, George
Markov Model for Storm Water Pipe Deterioration. — Tom Micevski, George Kuczera, and Peter Coombes; 8(2), 49-56 (2002).

Lambert, James H.
Extreme Event Scenarios for Planning of Infrastructure Projects. — Joshua L. Tsang, James H. Lambert, and Robert C. Patev; 8(2), 42-8 (2002).
Prioritization of Schedule Dependencies in Hurricane Recovery of Transportation Agency. — James H. Lambert and Clare E. Patterson; 8(3), 103-11 (2002).

Liang, Chih-Hsin
Service Life Prediction of Existing Reinforced Concrete Bridges Exposed to Chloride Environment. — Ming-Te Liang, Li-Hsien Lin, and Chih-Hsin Liang; 8(3), 76-85 (2002).

Liang, Ming-Te
Service Life Prediction of Existing Reinforced Concrete Bridges Exposed to Chloride Environment. — Ming-Te Liang, Li-Hsien Lin, and Chih-Hsin Liang; 8(3), 76-85 (2002).

Lin, Li-Hsien
Service Life Prediction of Existing Reinforced Concrete Bridges Exposed to Chloride Environment. — Ming-Te Liang, Li-Hsien Lin, and Chih-Hsin Liang; 8(3), 76-85 (2002).

Madanat, Samer
Introducing the Associate Editors of the *Journal of Infrastructure Systems*. — Samer Madanat; 8(2), 30-4 (2002).

Madanat, Samer M.
Computation of Infrastructure Transition Probabilities Using Stochastic Duration Models. — Rabi G. Mishalani and Samer M. Madanat; 8(4), 139-48 (2002).

Matthews, H. Scott
Economic Input-output Life-cycle Assessment of U.S. Residential Buildings. — Luis Ochoa, Chris Hendrickson, and H. Scott Matthews; 8(4), 132-8 (2002).

Micevski, Tom
Markov Model for Storm Water Pipe Deterioration. — Tom Micevski, George Kuczera, and Peter Coombes; 8(2), 49-56 (2002).

Mishalani, Rabi G.
Computation of Infrastructure Transition Probabilities Using Stochastic Duration Models. — Rabi G. Mishalani and Samer M. Madanat; 8(4), 139-48 (2002).

Morcous, G.
Modeling Bridge Deterioration Using Case-based Reasoning. — G. Morcous, H. Rivard, and A. M. Hanna; 8(3), 86-95 (2002).

Niemeier, Debbie
Too Cautious? Avoiding Risk in Transportation Project Development. — Harry Hecht and Debbie Niemeier; 8(1), 20-8 (2002).

Nigim, Khaled
Strategic Implementation of Infrastructure Priority Projects: Case Study in Palestine. — Mohamed Ziara, Khaled Nigim, Adnan Enshassi, and Bilal M. Ayyub; 8(1), 2-11 (2002).

Ochoa, Luis
Economic Input-output Life-cycle Assessment of U.S. Residential Buildings. — Luis Ochoa, Chris Hendrickson, and H. Scott Matthews; 8(4), 132-8 (2002).

Patev, Robert C.
Extreme Event Scenarios for Planning of Infrastructure Projects. — Joshua L. Tsang, James H. Lambert, and Robert C. Patev; 8(2), 42-8 (2002).

Patterson, Clare E.
Prioritization of Schedule Dependencies in Hurricane Recovery of Transportation Agency. — James H. Lambert and Clare E. Patterson; 8(3), 103-11 (2002).

Rajani, Balvant
Forecasting Variations and Trends in Water-Main Breaks. — Y. Kleiner and Balvant Rajani; 8(4), 122-31 (2002).

Rivard, H.
Modeling Bridge Deterioration Using Case-based Reasoning. — G. Morcous, H. Rivard, and A. M. Hanna; 8(3), 86-95 (2002).

Shin, Myungsoo
Estimation on Regional Benefit and Optimal Level of Road Capital Stock. — Euijune Kim and Myungsoo Shin; 8(3), 96-102 (2002).

Tsang, Joshua L.
Extreme Event Scenarios for Planning of Infrastructure Projects. — Joshua L. Tsang, James H. Lambert, and Robert C. Patev; 8(2), 42-8 (2002).

Upton, Mark N., Jr.
Cost at Element Level. — Cornelia E. Demers, Rita A. Gregory, and Mark N. Upton, Jr.; 8(4), 115-21 (2002).

Weyers, Richard E.
Service Life and Impact of Virginia Environmental Exposure Condition on Paint on Steel Girder Bridges. — Daniel K. Dadson, Jesus M. de la Garza, and Richard E. Weyers; 8(4), 149-59 (2002).

Ziara, Mohamed
Strategic Implementation of Infrastructure Priority Projects: Case Study in Palestine. — Mohamed Ziara, Khaled Nigim, Adnan Enshassi, and Bilal M. Ayyub; 8(1), 2-11 (2002).